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PATENT ABSTRACTS OF JAPAN(21) Application number: **07037504**(51) Intl. Cl.: **C02F 1/40**(22) Application date: **18.01.95**

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publication: **12.03.96**(84) Designated contracting
states:(71) Applicant: **SEKINO MITSUHIRO**(72) Inventor: **SEKINO MITSUHIRO**

(74) Representative:

**(54) VORTEX TYPE
FLOATING
CONTAMINATED FLUID
RECOVERING DEVICE**

(57) Abstract:

PURPOSE: To efficiently recover a floating contaminated fluid while suppressing the amt. of water to be mixed by using this device for recovering a floating contaminated fluid capable of forming vortex at the recovering port by the suction force of the device, suppressing the fluctuation in the buoyancy of the recovery port and self-adjusting the position from the water surface when the contaminated fluid is scum or even if the viscosity is changed.

CONSTITUTION: A slightly convex or flat flange 2 is concentrically fixed to the upper end of the suction cylinder 3 dipped to an appropriate depth from the water surface, ≥ 1 spiral, straight or circular blades 1 are equidistantly arranged on the upper face of the flange in the same direction around the recovery port, and the upper end is exposed from the water surface to constitute the vortex forming device.

